

# ROUTING AND TRANSMITTAL SLIP

ACTION

(Name, office symbol or location)

INITIALS

CIRCULATE

DATE

COORDINATION

INITIALS

FILE

DATE

INFORMATION

INITIALS

NOTE AND RETURN

DATE

PER CON -  
VERSATION

INITIALS

SEE ME

DATE

SIGNATURE

REMARKS

Project on FY 1975 List was instead applied as a grant revision, i.e. the FY75 project was simply a cost overrun and not a Case II as expected

Do NOT use this form as a RECORD of approvals, concurrences, disapprovals, clearances, and similar actions.

(Name, office symbol or location)

DATE

PHONE

OPTIONAL FORM 41

GPO : 1972 O - 479-987

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MR (41CFR) 100-11.206

U. S. DEPARTMENT OF THE INTERIOR  
FEDERAL WATER POLLUTION CONTROL ADMINISTRATION

FORM APPROVED  
BUDGET BUREAU NO. 42-R1495

APPLICATION FOR FEDERAL GRANT FOR SEWAGE TREATMENT WORKS  
UNDER 33 U.S.C. 466 et seq.

(To be submitted in triplicate to the State Water Pollution Control Agency.  
See instructions before completing application.)

TO BE FILLED IN BY STATE

DATE RECEIVED

10/17/74 (Revised)

PROJECT NUMBER

C-420786-01

SECTION I - REQUEST FOR CONSTRUCTION GRANT

LOCATION OF PROJECT (County or Parish, City or Town etc., State)

PHILADELPHIA, PENNSYLVANIA

GRANT REQUEST

\$ 73,929,057

LEGAL NAME OF APPLICANT

CITY OF PHILADELPHIA WATER DEPARTMENT

ADDRESS (street, city, state, zip code)

1160 MUNICIPAL SERVICES BLDG., PHILA., PA. 19107

(herein called the "Applicant") hereby makes application to the United States of America (herein called the "Government")  
for Federal assistance as above indicated in the construction of

"Part I" of the expansion and upgrading  
of the Southwest Water Pollution Control Plant in accordance with Commonwealth of  
Pennsylvania and DRBC Orders - June-July 1968 .

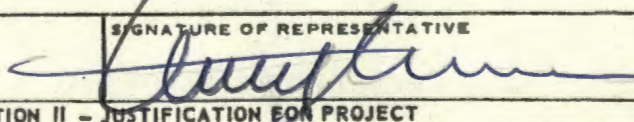
(herein called the "Project").

The attached statements and exhibits are hereby made part of this application and the undersigned representative of the Applicant certifies that the information in the application and in the attached statements and exhibits is true, correct, and complete to the best of his knowledge and belief. He further certifies that: He has been authorized to file this application by formal action of the governing body of the Applicant as is evidenced by the ATTACHED CERTIFIED COPY OF AUTHORIZATION MADE BY THE APPLICANT'S GOVERNING BODY; the governing body of the Applicant agrees that if a Federal grant for the Project is made pursuant to the Federal Water Pollution Control Act, as amended (33 U.S.C. 466 et seq.), the Applicant will pay the remaining cost of the approved Project; and, the Applicant will provide proper and efficient operation and maintenance of the approved Project after completion of construction thereof. Further, the undersigned agrees to comply with Title VI of the Civil Rights Act of 1964 (Public Law 88-352) and the Regulation issued pursuant thereto and states that the Assurance of Compliance with such Regulation which is attached, applies to this project. The undersigned also agrees to comply with requirements of Executive Order 11246, pertaining to equal employment opportunity in Federally assisted construction contracts.

NAME AND TITLE OF REPRESENTATIVE

Hillel Levinson  
Managing Director

SIGNATURE OF REPRESENTATIVE



DATE

October 11, 1974

SECTION II - JUSTIFICATION FOR PROJECT

A. Outline the public interest and public necessity for the Project. Attach comments and recommendations of the appropriate State, metropolitan, or regional planning authority, concerning the project. (See 11-A of Instructions.)

Completion of the project will serve to improve the water quality of the Delaware River in accordance with the DRBC Comprehensive Plan. Completion of the project also serves to satisfy joint orders of the Commonwealth of Pennsylvania and DRBC for upgrading of treatment at the Southwest Water Pollution Control Plant, dated June-July 1968.

B. Describe briefly how the proposed Project will meet criteria for determining the propriety of Federal aid. (See II-B of Instructions.)

Project will control pollution of interstate, navigable waters by providing waste treatment at the Southwest Water Pollution Control Plant in accordance with orders of the Commonwealth of Pennsylvania and the DRBC, dated June-July 1968.

Such waters are to be used for the purposes stated in the "Water Quality Regulations" of the DRBC, March 1968, for the Delaware River and are in accordance with the DRBC Comprehensive Plan.

### SECTION III - LEGAL INFORMATION

A. Classification of Applicant: CITY

(e.g., State, interstate or intermunicipal agency, city, town, borough, county, parish, district, etc.)

B. Describe legal authority for construction, financing, and operation of proposed Project.

PHILADELPHIA HOME RULE CHARTER - TITLE 13

C. State whether an election is required before Project may be undertaken. Describe purpose of election, i.e., to authorize Project, construction, issue of bonds, levy of taxes, etc. If such election has already been held, state result and date. If such election has not been held, describe plans and proposed date.

D. Population:

		POPULATION	
		MUNICIPALITY	SERVED BY PROJECT
1960 Census .....		2,002,512	----
Present Population; Estimate .....	1970 Census	1,950,098	950,000
(Give Basis of Estimate)			
Design Population .....		*	1,525,000
(Give Design Year <u>1990</u> )			

\* MUNICIPALITY SERVED BY 3 WASTEWATER TREATMENT FACILITIES

### SECTION IV - FINANCIAL INFORMATION AS OF DATE OF APPLICATION

A. Funds to be made available by Applicant for construction of the Project:

SOURCE	AMOUNT	DATE AVAILABLE
Cash .....	\$	
General Obligation Bonds .....	\$	
Revenue Bonds or Certificates .....	\$	
Other (Specify). Budgetary Appropriation	24,643,018	7-1-74
TOTAL .....	\$	

B. State Aid .....

Federal

73,929,057

C. Are there any contracts with any other Federal agency in connection with this Project?  
If "Yes" provide details with application.

☐

YES

☒

NO

- D. Funds to be made available by Applicant for operation and maintenance of Project. Periodic evaluation will be made by Federal Water Pollution Control Administration or State representatives to determine compliance with provision of the Federal Water Pollution Control Act pertaining to efficient operations and maintenance of the works after completion of construction.

OPERATION AND MAINTENANCE ACTIVITIES TO BE COVERED: (Itemize number and type of employees to be hired, as well as amount per year for labor, chemicals, utilities, supplies, including those associated with laboratory operations, etc.)

SEE ATTACHED SHEET - "ESTIMATED ANNUAL OPERATING COST - NEW FACILITIES"

SOURCES OF FUNDS: Sewer revenues paid to the Annual Operating Budget of the Water Pollution Control Division, Water Department, City of Philadelphia and Commonwealth of Pa. Act 339 Funds.

#### SECTION V - ENGINEERING INFORMATION

- A. Description of Project (Attach a general description of the Project, a lay-out or location map and copies of engineering reports and available plans and specifications. Include discussion of excess flows arising from the entrance of ground and surface waters, municipal control measures now being practiced or proposed and alternatives to by-pass of the treatment plant. (See Sec. V-A of Instructions)

- B. Project cost estimate summary

	Est. Total Project Cost	Est. Cost Eligible For Grant Participation*
1. Construction **		
(a) Contract No. 1 & 2 .....	\$ 11,100,000	\$ 11,100,000
(b) Contract No. 3 - 6 .....	\$ 60,800,000	\$ 60,800,000
(c) Contract No. 7 .....	\$ 1,990,000	\$ 1,990,000
(d) Contract No. 8 - 12 .....	\$ 8,185,000	\$ 8,185,000
(e) Contract No. ....	\$	\$
(f) Later Contracts .....	\$	\$
(g) Equipment and Materials ..*	\$	\$
Sub-Total .....	\$ 82,075,000	\$ 82,075,000
2. Technical Services ..... Engineering .....	\$ 8,207,500	\$ 8,207,500
3. Legal and Fiscal .....	\$ 82,075	\$ 82,075
4. Administrative .....	\$	\$
5. Contingency ..... 10% of Construction ..	\$ 8,207,500	\$ 8,207,500
6. Other (specify) .....	\$	\$
7. Site .....	\$	\$ XXXXX
8. Total .....	\$ 98,572,075	\$ 98,572,075

\*Under the Federal Water Pollution Control Act, final determination of eligible cost is the responsibility of the Federal Water Pollution Control Administration.

\* Included in Construction Costs

\*\* See Attached List

- C. Project Construction Schedule. Have any construction contracts been awarded? ☐ YES ☒ NO  
(If any construction contracts for this Project have already been awarded, attach copies of such contracts and a tabulation of bids received.)

The Applicant is prepared to maintain the following schedule:

1. Plans and specifications will be ready for advertising for bids within 21 calendar days after the grant offer is accepted.
2. Contract will be let within 120 calendar days after the grant offer is accepted.
3. Estimated construction time to complete and place the Project in operation is 1310 calendar days. (Any grant offer made will be predicated upon reasonable compliance with this time schedule.)

D. Site Information:

1. If the site has been acquired, provide the following information:
  - (a) Attach a legal description of the site. See Site Plan, submitted with application of January 24, 1973.
  - (b) Describe the precise interest in site which has been acquired.

City of Philadelphia - Water Department's Interest in the Site is Fee Simple

2. If the site has not been acquired: Does Not Apply

State the nature and extent of interest in lands, easements, and rights-of-way which are to be acquired and indicate the proposed method and time required for acquisition. Also refer to applicable legal requirements and authority.

Does Not Apply

E. Engineering Services (Name, address and telephone number of Applicant's engineer)

Greely and Hansen, Engineers  
222 South Riverside Plaza  
Chicago, Illinois 60606  
(312)-648-1155

Item IV-D

"ESTIMATED ANNUAL OPERATING COSTS - NEW FACILITIES"

SOUTHWEST WATER POLLUTION CONTROL PLANT (PART I)

I. Labor

Clerical	\$ 9,300
Supervision	19,800
Laboratory	17,400
Treatment Operators (14)	102,300
	<hr/>
	\$ 148,800

II. Supplies

Chemicals	\$ 106,900
Power & Light	298,600
Water	8,700
Sludge Disposal	158,600
Other Supplies	46,500
	<hr/>
	\$ 619,300

III. Maintenance and Repair

Structures	\$ 321,300
Equipment	428,200
Equipment Replacement	213,800
	<hr/>
	\$ 962,800

TOTAL \$ 1,730,900

## ESTIMATED CONSTRUCTION COSTS - SECONDARY FACILITIES

## SOUTHWEST WATER POLLUTION CONTROL PLANT (PART I)

<u>ELEMENTS</u>	<u>CONTRACT NO.</u>	<u>TYPE CONTRACT</u>	<u>ESTIMATED COST</u>	
Oxygen Supply System	1.	Equipment and Piping	\$ 4,000,000	
Oxygenation System	2.	Equipment and Piping	<u>7,100,000</u>	
		SUB-TOTAL		11,100,000
Site Preparation; Aer-	3. *	Structures and Equipment	56,600,000	
ation and Final Tanks;	4.	Heating and Ventilating	450,000	
Compressor Bldg.;	5.	Plumbing	400,000	
Effluent Conduits; etc.	6.	Electrical	<u>3,350,000</u>	
		SUB-TOTAL		60,800,000
Single-barrel Outfall	7.	General	<u>1,990,000</u>	
Conduit		SUB-TOTAL		1,990,000
Effluent Pump Sta-	8.	Structures and Equipment	6,015,000	
tion; Admin. Bldg.; Shop &	9.	Heating and Ventilating	700,000	
Maint. Bldg.; Railroad	10.	Plumbing	500,000	
Sidings; etc.	11.	Electrical	500,000	
	12.	General	<u>470,000</u>	
		SUB-TOTAL		8,185,000
			<u>TOTAL</u>	82,075,000

\* Included in this estimated cost for site preparation, etc., is a separate contract (Water Dept. No. SD-456-SW) for the removal of the Cannonball Farmhouse, which is in the way of future construction. Estimated cost: \$120,000.